

August 26, 2008

INFILTRATOR SYSTEMS INC.  
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PO BOX 768  
OLD SAYBROOK CT 06475

Re: Description: SEWAGE TANKS, POLYETHYLENE  
Manufacturer: INFILTRATOR SYSTEMS INC.  
Product Name: SEPTIC, SEPTIC/SEPTIC, SEPTIC/PUMP, PUMP, HOLDING  
Model Number(s): TW-1500  
[39.75 IN. L.L.; 48 IN. MAX. DEPTH OF BURY; 846 G.P.D. WHEN USED AS A SEPTIC  
TANK, 480 G.P.D. WHEN USED AS A SEPTIC/PUMP TANK BASED ON A 3 YR.  
SERVICE INTERVAL FOR RESIDENTIAL WASTEWATER; FOR TANK CAPACITY PER  
INCH SEE TABLE 1.]  
Product File No: 20080466

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of August 2013.**

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- Installation and servicing of this product must be in accordance with the manufacturer's instructions. A copy of the manufacturer's installation and servicing instructions must be given to the owner of the system.
- When this product receives wastewater from dwellings and is used as a septic tank, it will produce an effluent quality with a maximum monthly average value for BOD5 of greater than 30 mg/L and less than or equal to 220 mg/L TSS, or greater than 30 mg/L or less than or equal to 150 mg/L TSS, and F.O.G. of less than 30 mg/L.
- Before this product is installed a warning label meeting the requirement of Comm s. 84.25(8)(b), Wis. Admin. Code must be securely attached to the manhole cover.

Table 1- Capacity Chart  
 TW- 1500  
 Total Liquid Volume in Tank at Indicated Height

Inches	Total Volume (gals.)	First Comp. Volume (gal.)	Second Comp. Volume (gal.)
1	17	13	4
2	37	28	9
3	70	53	17
4	106	80	26
5	143	108	35
6	180	136	44
7	217	164	53
8	255	193	62
9	293	222	72
10	331	251	81
11	370	280	90
12	409	309	100
13	448	339	109
14	488	369	119
15	527	399	129
16	567	429	138
17	608	459	148
18	648	490	158
19	689	521	168
20	730	552	178
21	772	584	188
22	815	616	199
23	858	649	209
24	903	683	220
25	946	715	231
26	988	747	241
27	1,029	778	251
28	1,070	809	261
29	1,110	839	271
30	1,150	870	281
31	1,190	900	290
32	1,229	929	300
33	1,268	959	309
34	1,307	988	319
35	1,345	1,017	328
36	1,382	1,045	337
37	1,420	1,073	346
38	1,456	1,100	355
39	1,491	1,127	364
40	1,528	1,155	373
41	1,559	1,179	380
42	1,593	1,204	389
43	1,626	1,229	397
44	1,658	1,253	405
45	1,687	1,275	412
46	1,711	1,294	418
47	1,733	1,310	423
48	1,747	1,321	426
49	1,766	1,335	431

Note: Height measured from inside surface at bottom of corrugation in tank.

- This product is approved to use the following:
  - The tank provides 3 ports at each end (2 on sides and one on end) for inlet or outlet piping, depending upon the configuration of the site.
  - Inlet and outlet pipe diameter is 4 inches for the inlet and outlet. The pipe can be Schedule 40 or SDR 35.
  - Department approved effluent filter installed in accordance with the product approval for the filter including a properly sized and located access opening for service and maintenance.
  - Inlet/outlet pipe water tightness is provided through the use of a rubber gasket, Serco Septic-Tite gasket. A detail of the tank wall penetration is provided in the installation instructions
  - Mechanisms for pump electrical connections from riser lid or other locations through the riser must be completed in conformance with the riser manufacturer's installation instructions.
  - Compatible risers include 24-inch-diameter riser products from Polylok®, Inc., Tuf-Tite® Corporation, EZ SET, and IPEX (Ultra Rib), in addition to 24-inch-diameter corrugated pipe. Maximum riser height is per the riser manufacturer's installation instructions.
- Tank bedding shall consist of native soil (without rocks/protrusions).or a minimum of 4 inches of granular material – pea stone, sand, or gravel. Anchoring required if shallow depth to groundwater may result in 18-inch rise.

As of May 15, 2008, a copy of a successful water tightness test report for this product must be AVAILABLE FOR INSPECTION AT THE MANUFACTURER'S PLANT prior to this product being used as a POWTS holding or treatment tank in Wisconsin.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

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